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(54) **METHODS FOR PREDICTING MAMMALIAN EMBRYO VIABILITY**

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(58) **Field of Classification Search**

None

See application file for complete search history.

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(57) **ABSTRACT**

The invention provides methods and systems for assessing the developmental potential of mammalian embryos. The method of the invention comprises taking measurements of cytoplasmic movements in the embryo and/or periodic changes in the shape of the embryo at the single cell stage.

24 Claims, 31 Drawing Sheets